

ABSTRACT

SAFE SAVE METHOD FOR HTML DOCUMENTS

5 A computer-implemented process for replacing old files having old
names on a permanent storage medium with new files in volatile memory.
Some of these files may be opaque files, which are old files that have become
new files without undergoing any changes, other than possibly name changes.
The primary steps of this replacement can comprise first saving the non-
10 opaque new files onto the permanent storage medium and assigning them
temporary filenames. An opaque recovery file listing the old name and a
temporary name for each opaque file is created. A primary recovery file
listing the temporary name and a final name for each new file is created.
After the names of the opaque files are changed to their temporary names,
15 the names of the non-opaque old files are changed from their old names to
backup names. Then, the names of the new files are changed from their
temporary names to their final names. The recovery files and the old files
can be deleted. If an event leaves the program performing the primary steps
in control but unable to complete the replacement, then the old files can be
20 restored to the permanent storage medium. If an event prevents completion
of either a replacement attempt or a restoration of the old files, completion
of the replacement can again be attempted at a later time using the recovery
files. The described processes can be applied to saving HTML documents,
each of which typically comprises multiple files.

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